

In the Claims

Συ 1. A screw for securing wood products, comprised of:
a shaft and a head, wherein the head is provided with a top surface having an opening to receive a tool;

wherein the shaft is provided with a threaded upper region located proximate the head and a threaded lower region located near a distal end of the screw, the distal end having a tip, and the number of threads per unit length in the upper region exceeds the number of threads per unit length in the lower region, said shaft having a cross sectional area in the upper region greater than the cross sectional area of the shaft in the lower region.

Συ α. 18. The screw of claim 12 wherein the conical surface slants away from the lip toward the axis of the shaft at an angle of approximately 45°.

α. 19. The screw of claim 12 wherein the head is provided with a top surface having a square opening.

Συ 24. A screw for securing wood products, comprised of
a shaft and a head, wherein the head is provided with a top surface having an opening to receive a tool;

wherein the shaft is provided with a threaded upper region located proximate the head and a threaded lower region located near a distal end of the screw, the distal end having a tip, wherein there are at least twice as many threads per unit length in the upper region as there are threads per unit length in the lower region, said shaft having a cross sectional area in the upper region greater than the cross sectional area of the shaft in the lower region.

Συ β. 29. The screw of claim 23 wherein the head is provided with a top surface having a square opening.

Sub a) 35. A screw for securing wood products, comprised of
a shaft and a head, wherein the head is provided with a top surface having
an opening to receive a tool;

wherein the shaft is provided with a threaded upper region located
proximate the head and a threaded lower region located near a distal end of the
screw, the distal end having a tip, wherein the number of threads per unit length
in the upper region exceeds the number of threads per unit length in the lower
region, and the upper region has an inverted buttress thread configuration, said
shaft having a cross sectional area in the upper region greater than the cross
sectional area of the shaft in the lower region.

Sub a) 41. The screw of claim 34 wherein the head is provided with a top surface
having a square opening.

Sub a) 46. A screw for securing wood products, comprised of:
a shaft and a head, wherein the head is provided with a top surface having
an opening to receive a tool, a bottom surface, a crown that extends around the
perimeter of the head and extends beyond the lower surface of the head thereby
defining an open volume between the lower edge of the crown and the shaft of
the screw;

wherein the shaft is provided with a threaded upper region located
proximate the head and a threaded lower region located near a distal end of the
screw, the distal end having a tip, and the number of threads per unit length in
the upper region exceeds the number of threads per unit length in the lower
region, said shaft having a cross sectional area in the upper region greater than
the cross sectional area of the shaft in the lower region.

47. The screw of claim 45 wherein the head is provided with a top surface
having a square opening.

Sub 62 52. A screw for securing wood products, comprised of:

a shaft and a head, wherein the head is provided with a top surface having an opening to receive a tool, a bottom surface, a crown that extends around the perimeter of the head, wherein the crown extends beyond the lower surface of the head, forming a recessed region between the lower edge of the crown and the shaft of the screw;

wherein the shaft is provided with a threaded upper region located proximate the head and a threaded lower region located near a distal end of the screw, the distal end having a tip, and the number of threads per unit length in the upper region exceeds the number of threads per unit length in the lower region, said shaft having a cross sectional area in the upper region greater than the cross sectional area of the shaft in the lower region.

Sub 63 54. The screw of claim 52 wherein the head is provided with a top surface having a square opening.

Sub 64 59. A screw for securing wood products, comprised of:

a shaft and a head, wherein the head is provided with a top surface having an opening to receive a tool and a bottom surface having a v-shaped undercut;

wherein the shaft is provided with a threaded upper region located proximate the head and a threaded lower region located near a distal end of the screw, the distal end having a tip, and the number of threads per unit length in the upper region exceeds the number of threads per unit length in the lower region, said shaft having a cross sectional area in the upper region greater than the cross sectional area of the shaft in the lower region.

Sub 65 63. The screw of claim 59 wherein the head is provided with a top surface having a square opening.

Sub A > 74. The screw of claim 68 wherein the head is provided with a top surface having a square opening.

75. The screw of claim 69 wherein the head is provided with a top surface having a square opening.

76. The screw of claim 70 wherein the head is provided with a top surface having a square opening.

77. The screw of claim 71 wherein the head is provided with a top surface having a square opening.

78. The screw of claim 72 wherein the head is provided with a top surface having a square opening.

79. The screw of claim 73 wherein the head is provided with a top surface having a square opening.

Sub A > 100. The screw of claim 94 wherein the head is provided with a top surface having a square opening.

101. The screw of claim 83 wherein the head is provided with a top surface having a square opening.

Sub A > 102. The screw of claim 84 wherein the head is provided with a top surface having a square opening.

103. The screw of claim 85 wherein the head is provided with a top surface having a square opening.

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104. The screw of claim 86 wherein the head is provided with a top surface having a square opening.

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(in lid)